

Jonathan Beaver

Department of Philosophy and the Texts & Technology Program
The University of Central Florida, Orlando, FL
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Professional Appointments

Assistant Professor of Ethics and Digital Culture (August 2015 – present)
Department of Philosophy and Texts & Technology Program at The University of Central Florida

Post-Doctoral Scholar (August 2013 – July 2014)
The Rock Ethics Institute at The Pennsylvania State University

Postdoctoral Researcher in Biomedical Engineering Ethics (Jan 2013 – July 2013)
Purdue University, Weldon School for Biomedical Engineering

Education

Ph.D., Philosophy (December 2012)
Purdue University, West Lafayette, IN
Dissertation: *The Semiotic Foundation of an Ecological Ethic*, with distinction
Committee: Mark Bernstein (Chair – Purdue University), Bernard Rollin (Colorado State University), Daniel Smith (Purdue University), Daniel Kelly (Purdue University)

B.A., Philosophy (May 2003)
University of Maine, Orono, ME, Summa Cum Laude
Honors Thesis, with Highest Honors: *Seduction as Postmodern Discourse: Notes from the Pineal Gland*

Areas of Specialization and Competence

Specializations: Applied Ethics (Bioethics, Environmental Ethics, Animal Ethics), Environmental Philosophy
Competencies: Normative Ethics, Semiotics, American Philosophy

Publications

Book-length Projects

Forthcoming

1. Understanding Digital Ethics: Cases and Contexts. 2018. Jonathan Beaver, Rudy McDaniel, Nancy Stanlick. Taylor and Francis.

In print

2. The Way of Nature or the Way of Grace: Philosophical Themes in Terrence Malick's *The Tree of Life*. 2016. Jonathan Beaver and Vernon W. Cisney (Eds.). Northwestern University Press.
3. Perspectives in Bioethics, Science, and Public Policy. 2013. Jonathan Beaver and Nicolae Morar (Eds.). Purdue University Press.

Peer-Reviewed Articles

Forthcoming



1. "The Mountain and the Wolf: Leopold's Uexkullian Influence." 2017. Beever, Jonathan. *Resilience: A Journal of the Environmental Humanities*.

In Print

2. "Justifying Moral Standing by Biosemiotic Particularism." 2016. Beever, Jonathan and Morten Tønnessen. *Zeitschrift für Semiotik* #1/2.
3. "Interview on Biosemiotic Ethics with Wendy Wheeler." 2016. *Zeitschrift für Semiotik* #1/2. Jonathan Beever, Morten Tønnessen, and Yogi Hale Hendlin.
4. "Introducing Biosemiotic Ethics." 2016. *Zeitschrift für Semiotik* #1/2. Morten Tønnessen, Jonathan Beever, and Yogi Hale Hendlin.
5. "Teaching Ethics Ecologically: Decision-Making Through Narrative." 2016. Beever, Jonathan. *Teaching Ethics*.
6. "Bioethics and the Challenge of the Ecological Individual." 2016. Beever, Jonathan and Nicolae Morar. *Environmental Philosophy*.
7. "The Porosity of Autonomy: (Some) Replies to our Colleagues." 2016. Beever, Jonathan and Nicolae Morar. *American Journal of Bioethics* 16(4): W4-W6w. (responses to published peer commentary).
8. "The Porosity of Autonomy: Social and Biological Constitution of the Individual in Biomedicine." 2016. Beever, Jonathan and Nicolae Morar. *American Journal of Bioethics* 16(2).
9. "Reflexive Principlism As An Effective Approach for Developing Ethical Reasoning in Engineering." 2016 [online Feb 2015]. Beever, Jonathan and Andrew Brightman. *Science and Engineering Ethics* 22(1):275-291. DOI 10.1007/s11948-015-9633-5.
10. "An Ecological Turn in American Indian Environmental Ethics." 2015. Beever, Jonathan. *Environmental Philosophy*.
11. "On Zoosemiotics and Bridging the Value Gap." 2014. Beever, Jonathan. *Semiotica*. 198,121-135.
12. "All Things in Mind: Panpsychist Elements in Spinoza, Deleuze, and Peirce." 2014. Beever, Jonathan and Vernon Cisney. *Biosemiotics* 6(3), 351-365.
13. "'Darwin und die Englische Moral': The Moral Consequences of Uexkull's Umwelt Theory." 2013. Beever, Jonathan and Morten Tønnessen. *Biosemiotics*. 6(3) 437-447.
14. "Jakob von Uexküll: Darwin and the English Morality." 2013. Trans. Tønnessen, Morten. Ed. Jonathan Beever. *Biosemiotics*. 6(3) 449-471.
15. "Baudrillard's Simulated Ecology." 2013. Beever, Jonathan. *Sign Systems Studies* 41(1/2): 82-92.
16. "Violence, Terrorism, and the Symbolic Response." 2012. *International Journal of Baudrillard Studies*.
17. "Meaning Matters: The Biosemiotic Basis of Bioethics." 2012. Beever, Jonathan. *Biosemiotics*, 5:2. 181-191. Beever, Jonathan. (first published online 10.15.2011)

Peer-Reviewed Chapters

Forthcoming

1. "Empathic Perspective-Taking and Ethical Decision-Making in Engineering Ethics Education." 2017. Hess, Justin, Jonathan Beever, Johannes Strobel, Andrew Brightman. In *Philosophy and Engineering: Exploring Boundaries, Expanding Connections*, ed. Byron Newberry, Diane Michelfelder, Qin Zhu. Springer.

In Print

2. "Symbolic Violence as Subtle Virulence: A Philosophy of Terrorism." Beever, Jonathan. In *Re-Visioning Terrorism: A Humanistic Perspective*, ed. Ben Lawton and Elena Coda. West Lafayette, Purdue University Press. 2016.
3. "The World of Representation in *The Tree of Life*." 2016. Beever, Jonathan. In *The Way of Nature and the Way of Grace: Philosophical Footholds on Terrence Malick's The Tree of Life*, ed. Vernon Cisney and Jonathan Beever. Northwestern University Press.
4. "Have Hope, Not too Much, Mostly for Plants: Hope in Environmental Moral Literacy." 2015. Beever, Jonathan. In *Ecology, Ethics, and Hope*, ed. Andrew Brei. Rowman and Littlefield.



5. “Beyond Sentience: Biosemiotics as Foundation for Animal and Environmental Ethics.” 2015. Tønnessen, Morten and Jonathan Beever. In *Animal Metaethics: New Directions in Animal Philosophy*, ed. John Hadley and Elisa Aaltola. Rowman and Littlefield, International.
6. “Ethics, Privacy, and the Future of Genetic Information in Healthcare Information Security.” 2010. Jon A., Jonathan Beever, Nicolae Morar, Jon E. Sprague, and Michael D. Kane. In *Information Assurance and Security Ethics in Complex Systems: Interdisciplinary Perspectives*, ed. Melissa Dark. IGI Global. Springer.

Peer-Reviewed Conference Proceedings

In Print

1. “A Principlist Approach for Thinking about the Social Impacts of Engineering.” 2016. Beever, Jonathan and A.O. Brightman. Conference Proceedings of the American Society for Engineering Education. Paper ID #16973.
2. “Deepwater Horizon Oil Spill: An Ethics Case Study in Environmental Engineering.” 2016. Beever, Jonathan and J. Hess. Conference Proceedings of the American Society for Engineering Education. Paper ID #15112.
3. “A Transfer Case Assessment Tool for Measuring Ethical Reasoning Abilities of Engineering Students Using a Reflexive Principlism Approach.” 2014. Hess, J., Jonathan Beever, A. Iliadis, L. Kisselburgh, C. Zoltowski, M. Krane, and A. Brightman. *Frontiers in Education 2014*.
4. “Effectively Engaging Engineers in Ethical Reasoning about Emerging Technologies: A Cyber-Enabled Framework of Scaffolded, Integrated, and Reflexive Analysis of Cases.” 2014. Kisselburgh, Lorraine, Carla Zoltowski, Jonathan Beever, Justin Hess, Andrew Iliadis, Matthew Krane, & Andrew Brightman. *Proceedings of the 2013 IEEE Frontiers in Education Conference (FIE 2013)* (pp. 1561-1563).
5. “Symbolic Violence as Subtle Virulence: The Philosophy of Terrorism.” 2011. Beever, Jonathan. *Proceedings: Revisioning Terrorism*. Purdue University Press ePub.
<http://docs.lib.purdue.edu/revisioning/2011/910/18>.
6. “On the Scope of Valuation in Peirce’s Teleology.” 2009. Beever, Jonathan. *Proceedings of the Semiotic Society of America*.

Editor-Reviewed Encyclopedia Entries and Book Reviews

Forthcoming

1. “Anthropocentrism in the Anthropocene.” 2017. Beever, Jonathan. *Encyclopedia of the Anthropocene*. Ed. Bruce Jennings.

In Print

1. “Biocentrism vs. Anthropocentrism.” 2013. Beever, Jonathan. *Encyclopedia of Bioethics*.
2. “Bioethics at Purdue University.” 2013. Beever, Jonathan. *Encyclopedia of Food and Agricultural Ethics*. DOI 10.1007/978-94-007-6167-4_374-6
3. Book review. 2013. Beever, Jonathan. Ronald L. Sandler’s *The Ethics of Species* (2012) for “Environmental Values.”

Articles Under Review

1. “The Ontology of Species: Commentary on Kasperbauer’s ‘Should We Bring Back the Passenger Pigeon? The Ethics of De-Extinction’”. Beever, Jonathan. *Ethics, Policy, and Environment*.
2. “Using Biomedical Principlism to Guide Ethical Medical Device Development.” Brightman, Andrew O., Jonathan Beever, and Michael Hiles. In *Next Generation Ethics: Engineering a Better Society*. Ed. Stephen Gee and Ali Abbas. USC Center for Interdisciplinary Decisions and Ethics.

Works In Preparation

1. “The Genealogy of Bioethics: Term and Concept.” Beever, Jonathan.
2. “The Ecology of Meaning and Mattering.” Beever, Jonathan.



3. “Soundscape Conservation Values.” Beever, Jonathan.
4. Book Review: Wendy Wheeler’s *Expecting the Earth*. Beever, Jonathan. New Formations.
5. [book on bioethics title TBD]. Beever, Jonathan, Lisa Lee, Bruce Jennings, and Peter Whitehouse.
6. “The Ecosystem of Bioethics: Building Bridges in Support of Public Health..” Beever, Jonathan and Peter J. Whitehouse.
7. Book review. 2017. Wendy Wheeler’s *Expecting the Earth* (2016). Beever, Jonathan.

Research Support and Grant-Writing

Submitted and Funded

1. UCF In-House Research Grant (May 2017)
“Ecological and Psychological Implications of Liminal Space: A Study in Soundscape Ecology and Conservation.” PI.
2. USDA NIFA award #2013-07168 – PI Candace Croney, Purdue University (January 2015)
Research project award to develop bioethics modules related to animal welfare, expert consultant.
Funded 2015-2018.
3. Purdue Discovery, Engagement And Learning (DEAL) Grant (2012-2013)
\$2500 competitive grant to fund interdisciplinary ethics education evaluation, PI.
4. NSF Ethics Education in Science and Engineering Grant (2012-2015)
Award #1237868, \$300,000 for *SIRA Modules for Effectively Engaging Engineers in Ethical Reasoning About Emerging Technologies*, proposal co-author, postdoctoral researcher (2012-2013), consultant (2013-2015).
5. Purdue University Provost and GPRI Bioethics Funding (2011-2014)
\$72,000 awarded from Purdue Office of the Provost and Global Policy Research Institute (GPRI) supporting 0.75 FTE graduate student appointments for the Bioethics Seminar Series.

Submitted

1. UCF In-House Research Grant Application (September 2016)
Proposal, “Ecological and Psychological Implications of Liminal Space: A Study in Soundscape Ecology and Conservation.” PI.
2. Wildlife Acoustics Scientific Product Grant (November 2016)
Proposal #3015158, “Ecological and Psychological Implications of Liminal Spaces.” PI. Not funded.
3. NSF Cultivating Cultures of Ethical STEM Proposal (February 2016)
Proposal, “Understanding and Evaluating Ethical Engineering Practice”, Proposal #1635898. Co-PI.
Not funded.
4. NSF Cultivating Cultures of Ethical STEM Proposal (February 2016)
Proposal, “Evaluating Disciplinary Differences in Ethical Orientation in STEM: Foundations, Frameworks, and Function in Team Science”, Proposal #1636029. PI. Not funded.
5. UFF-UCF Travel GAP Grant (September 2015)
Application for travel support to related Fall 2015 conferences, not funded.
6. NEH Digital Humanities Start-Up Grant Proposal #11995803 (September 2015)
Project PI, “Sound, Science, and Value: Engaging the Digital Humanities Through Soundscape Studies”, not funded.
7. Greenwall Foundation Faculty Scholars Program Proposal (September 2015)
Project PI, “Ecological Autonomy: Patients’ Rights and Physicians’ Obligations”
Limited submission competition winner
8. NSF RCN-SEES Grant “Sustainable Energy Systems” (Award # 1135327, PIs Isaacs, Seager, Selinger, Mechtenberg)



- Project contributor – discussion leader on ethics in sustainable engineering team science (2015), not funded.
9. NSF EESE Grant “Graduate Pedagogy for Ethical Dimensions of Coupled Natural and Human Systems Research.” (Proposal # 1135327, PIs Tuana, Richard, Schienke)
Project contributor – development of graduate seminar on research integrity in science and engineering (2014-2015), not funded.
 10. NSF Cultivating Cultures of Ethical STEM Proposal (March 2015)
Proposal (not funded), “Cultivating Ethical Decision-Making in Diverse Groups of STEM Researchers”, Co-PI, not funded.
 11. The Global Midwest Mellon Foundation Consortium Grant (October 2014)
Interinstitutional grant-proposal, co-author and senior personnel, not funded.
 12. The Global Midwest Mellon Foundation “Humanities Without Walls” Grant (April 2014)
\$11,000 seed grant to fund interinstitutional grant-proposal, co-author and co-facilitator, not funded.
 13. NIH International Research Ethics Education Grant (R25) (May 2014)
Collaborative \$300,000 international proposal to develop research ethics curriculum with partners in Uruguay focusing specifically on epigenetic risk in breast cancer research, co-PI, not funded.
 14. NSF Online Resource Center for Ethics Education in Science and Engineering (January 2014)
Co-author and research associate for proposed \$1,500,000 competitive grant (TP Seager et al, Arizona State University, PIs) titled *Digital Ethics Network (DEN): An Online Habitat for Ethical Colloquy* to fund national level ethics education resource center, not funded.
 15. NSF Ethics Education in Science and Engineering Proposal (2009-2010)
Proposal #0933540 *Ethical Publishing in Science and Engineering*, limited submission competition winner, co-author, not funded.

Fellowships, Awards, and Honors

1. [“PRIME Ethics - Purdue's Reflective & Interactive Modules for Engineering Ethics.”](#) Brightman, Beever, Hess, Iliadis, Kisselburgh, Krane, Loui, Zoltowski. *Infusing Ethics into the Development of Engineers*. National Academy of Engineering Exemplary Program. (2015).
2. Forest History Society (FHS) Alfred D. Bell Travel Scholarship (2013)
3. Visiting Soundscape Fellow, Global Sustainable Soundscapes Network (2012 and 2013)
4. Visiting Research Fellow, Aldo Leopold Foundation (May 2012 – June 2012)
5. Kaufmann Foundation Purdue Realization and Entrepreneurship Ph.D. and Postdoctoral Fellowship (2011-2012)

Conference Presentations

Upcoming

1. Beever, Jonathan. “We Don’t Teach Plumbers”: Normative Disconnects between Humanities and Engineering Researchers in Team Science Settings.” American Society for Engineering Education. May 2017. Columbus, OH.
2. Beever, Jonathan. “The Value of Ethics in Engineering: Preliminary Hypothesis and Data.” American Society for Engineering Education. May 2017. Columbus, OH.

Completed

1. Beever, Jonathan and N. Morar. “Rethinking Public Health Ethics Ecologically.” Socially Relevant Philosophy of/in Science and Engineering special session at the Philosophy of Science Association. Atlanta, GA.
2. Beever, Jonathan. “All Bioethics is Public Health Ethics.” American Society for Bioethics and the Humanities. October 2016. Washington, D.C.



3. Beever, Jonathan. "Privacy and Confidentiality in the Digital Era." American Society for Bioethics and the Humanities. October 2016. Washington, D.C.
4. Beever, Jonathan and N. Morar. "How to Rethink Public Health Ethics Ecologically." American Society for Bioethics and the Humanities: Environmental Bioethics Affinity Group. October 2016. Washington, D.C.
5. Beever, Jonathan and N. Morar. "The Constitution of the Self." International Association for Environmental Philosophy. October 2016. Salt Lake City, UT.
6. Beever, Jonathan and A.O. Brightman. "A Principlist Approach for Thinking about the Social Impacts of Engineering." American Society for Engineering Education. June 2015, New Orleans, LA.
7. Beever, Jonathan and J. Hess. "Deepwater Horizon Oil Spill: An Ethics Case Study in Environmental Engineering." American Society for Engineering Education. June 2015, New Orleans, LA.
8. Beever, Jonathan. "Panel: Infusing Ethics into the Development of Engineers: Exemplary Approaches." Association for Practical and Professional Ethics. February 2016, Washington, D.C.
9. Beever, Jonathan. "Deepwater Horizon Oil Spill: An Ethics Case Study in Environmental Engineering." Association for Practical and Professional Ethics. February 2016, Washington, D.C.
10. Beever, Jonathan. "Meaning and Mattering: Framing the Value of Nature through Ecologies of Meaning." The Florida Philosophical Association, Flagler College, St. Augustine, FL, November 2015.
11. Beever, Jonathan, Lisa M. Lee, Bruce Jennings, and Peter Whitehouse. October 2015, Houston. "Bridging Bioethics: Historical and Contemporary Engagements." *American Society for Bioethics and the Humanities*.
12. Beever, Jonathan, Lisa M. Lee, Bruce Jennings, and Peter Whitehouse. October 2015, Chicago. "Re-conceptualizing Bioethics: Public, Individual, and Environment." *American Public Health Association*.
13. International Communication Association Nordic Regional Conference. October 2015, Copenhagen (delivered digitally). "Reflexive Principlism and Emerging Shifts in Ethics in Engineering." Brightman, Andrew O. and Jonathan Beever.
14. Beever, Jonathan, Lisa M. Lee, Bruce Jennings, and Peter Whitehouse. October 2015, Atlanta. "Re-Conceptualizing Bioethics: Public, Individual, and Environment." *International Association for Environmental Philosophy*.
15. Beever, Jonathan, Andrew Brightman, Carla Zoltowski, Justin Hess. "New Paradigms and Tools for Engineering Ethics." Workshop for *American Society for Engineering Ethics*, June 24, 2015.
16. Beever, Jonathan. "Conceptualizing Ethical Decision-Making: Scale, Scope, and Skill." Penn State Moral Literacy Colloquium. University Park, April 2015.
17. Beever, Jonathan. "Ethical Decision-Making Methodologies Across Disciplines." Socially Relevant Philosophy of/in Science and Engineering. Detroit, March 2015.
18. Beever, Jonathan and Nicolae Morar. "Toward an Ecological Bioethics." International Association for Environmental Philosophy, American Philosophical Association. Philadelphia, December 2014.
19. Beever, Jonathan and Nicolae Morar. "Patients as Biological and Social Communities in Biomedicine." Society for Socially Relevant Philosophy of/in Science and Engineering, American Philosophical Association. Philadelphia, December 2014.
20. Beever, Jonathan. "Putting Life in Bioethics: Bridging the Past and the Future." American Society for Bioethics and the Humanities. San Diego, October 2014.
21. Beever, Jonathan and Nicolae Morar. "Patients as Biological and Social Communities in Biomedicine." ASBH Early Career Scholars Program. San Diego, October 2014.
22. Beever, Jonathan. "Soundscape Ecology and Environmental Valuation." International Association for Environmental Philosophy, New Orleans, October 2014.
23. Hess, Justin, Jonathan Beever, Andrew Brightman. "An Ethics Transfer Case Assessment Tool for Measuring Ethical Reasoning Abilities of Engineering Students Using Reflexive Principlism Approach." IEEE Frontiers in Education Conference, Madrid, October 2014.
24. Kisselburgh, Lorraine, Carla Zoltowski, Jonathan Beever, Justin Hess, Andrew Iliadis, Matthew Krane, Andrew Brightman. "Effectively engaging engineers in ethical reasoning about emerging technologies: A cyber-enabled



- framework of scaffolded, integrated, and reflexive analysis of cases.” American Society for Engineering Education (ASEE), June 2014.
25. Hess, Justin, Jonathan Beever, Johannes Strobel, Andrew Brightman. "Empathy and Ethical Reasoning in Engineering Ethics Education." fPET-2014, May 2014. (Hess presenting).
 26. "Peirce, Biosemiotics and the Scope of Semiosis." *Society for the Advancement of American Philosophy*, Denver, CO, March 2014.
 27. *Bioethics as Ecological Ethics: the Human in Context and Community*, Case Western Reserve University, Cleveland, OH, Spring 2014.
 28. "Reflexive Principlism in an Online Context." Society for Ethics Across the Curriculum. Corvallis, OR. October 3-5, 2013.
 29. "A Value Bias in Biomedicine." Third Annual Western Michigan University Medical Humanities Conference. Kalamazoo, MI. Sept 26-27, 2013.
 30. Kisselburgh, Lorraine, Carla Zoltowsk, Jonathan Beever, Justin Hess, Andrew Iliadis, Matthew Krane, & Andrew Brightman. September 2013. *SIRA framework to develop moral reasoning in engineers*. Poster presented at the National Science Foundation workshop for Ethics and Education in Science and Engineering. Washington, DC.
 31. "Goodwashing': Values, Ethics, and Science." Purdue Department of Agronomy Seminar. Purdue University, September 2013.
 32. Lorraine Kisselburgh, Carla Zoltowski, Jonathan Beever, Justin Hess' Matthew Krane, Andrew Brightman. "Enabling engineering ethics: Using scaffolded, integrated, and reflexive analysis (SIRA) of cases and cyber-enabled learning to develop moral reasoning." IEEE Frontiers in Education Conference., (Kisselburgh and Hess presenting), October 2013.
 33. "We have moral obligations to those to whom we are connected': Ethics and Privilege." Purdue Ecological Sciences and Engineering Program Colloquium. Presentation with R. Laurel Weldon (Pol. Sci.), Purdue University, March 2013.
 34. "An Ecological Turn in American Indian Environmental Ethics." *Summer Institute for American Philosophy*. University of Oregon, Eugene. July 8-13, 2013.
 35. "The Intrinsicity of Value: A Case Study in Soundscapes." *International Society for Environmental Ethics (ISEE): Tenth Annual Meeting on Environmental Philosophy*. East Anglia, UK. June 12-14, 2013.
 36. "Case Study Modules For Effectively Engaging Engineers in Moral Reasoning About Developing Technologies." The Seventh Annual International Conference on Ethical Issues in Biomedical Engineering. SUNY Downstate Medical Center. April 20-21, 2013.
 37. "Refocusing Ethics Education and Moral Reasoning in Engineering." 14th Annual Meeting of the Society for Ethics Across the Curriculum. Grand Rapids, MI. October 2012.
 38. "Toward a Biosemiotic Approach to Environmental Ethics." 11th Gathering in Biosemiotics, the Dactyl Foundation, New York, New York, June 2011.
 39. "On Zoosemiotics and Bridging the Value Gap." Zoomsemiotics and Animal Representation. Tartu, Estonia, April 2011.
 40. "Baudrillard, Simulated Ecology, and Recovering Reminders of the Real: The As is Through the As if." Semiotic Society of America, New Orleans, LA, October 2007.

Invited

1. "Building Bridges: The Genealogy of Bioethics." Cancer Culture and Community 2016. Purdue University. West Lafayette, IN. November 2016.
2. "Environmental and Societal Impacts to Living Longer." *The Ethics of Transhumanism* panel talk with Ginger Leigh, Mason Cash, and Zoltan Istvan. 9.30.2016. (organizer: Steve Fiore)
3. "Rob Ford's Crack Video: Is it Unethical to Watch?" Interview with reporter Trevor Dunn for CBC.CA article on release of video of Rob Ford. 8.12.16. "Ethical Decision-Making in Interdisciplinary Science." *Team Science Summit 2015*, Arizona State University, September 2015.



4. "Reconsidering Autonomy." *International Association of Clinical Research Nurses Seminars in Ethics, Health Care Research, and Nursing Practice*. [GoToWebinar], May, 2015.
5. "The Porosity of Autonomy." Plenary for Bowling Green State University's *Philosophy and Medicine* workshop. Bowling Green, OH, November 2014.
6. "Valuing Nature's Voices." Global Sustainable Soundscapes Network 2014, Wells, ME, July 2014.
7. "The Deepwater Horizon Oil Spill: A Case Study in Engineering Ethics." Graduate Seminar in Engineering Ethics, Professor Andrew Brightman, Purdue University, April 2014.
8. "Ethical Reasoning as a Design Process." Graduate Seminar in Engineering Ethics, Professor Andrew Brightman, Purdue University, January 2014.
9. "Bioethics and the Environment." Invited Keynote for the Purdue Bioethics Symposium. West Lafayette, IN, November 2012.
10. "Research Ethics and Philosophical Ethics: the Relationships between Codes, Principles, and Moral Reasoning." Purdue Institutional Review Board Retreat. August 16, 2012.
11. "Bioethics and Environmental Value: How We Reason About Things that Morally Matter." Aldo Leopold Foundation Public Brown Bag, Aldo Leopold Center, Baraboo, WI, June 2012.
12. "Ethics, Bioethics, and Moral Reasoning: How to Live Well in a Complex World." Inaugural address to the Philosophy Club, Indiana University Kokomo, April 2012.
13. "Stakeholders of Today in Human Research: The Ongoing Legacy of Henrietta Lacks." Panel discussion for the College of Health and Human Science (with Philip Low (Biochemistry) and Elizabeth Campbell (HRPP Director)), Purdue University, March 2012.
14. "Bioethics and Public Policy at Purdue." Purdue Global Policy and Research Institute Salon, Washington, D.C., January 2012.

Ph.D. Advising

1. Ph.D. Committee member, Julian Montaquila, UCF Institute for Simulation and Training, Personnel security and insider threat considerations in a law enforcement sample: Behavioral modeling based upon the results from a simulated cheating task. Projected completion Fall 2017.
2. Ph.D. Committee member, Mark Kretzschmar, projected completion Summer 2018
3. Ph.D. Committee member, Nicholas DeArmas, projected completion Summer 2018

Teaching

Graduate Instruction

1. Directed Readings (Honors 4903H with Austin Tindle) – Spring 2016, University of Central Florida
2. Theoretical and Applied Ethics (PHI5627) – Spring 2016, University of Central Florida
3. Sound and Acoustics (ENG6939) – Spring 2016, University of Central Florida
4. Digital Ethics (PHI6939) – Spring 2016, University of Central Florida
5. "Teach the Teachers" Faculty Ethics Workshop – annually Spring 2014-Summer 2016, Penn State University, co-taught with Dr. Richard Frisque, Biochemistry & Molecular Biology
6. Intersections of Anthropology and Bioethics (Bioethics 596) – Spring 2015, Penn State University
7. Anthropology and Conservation within Bioethics (Bioethics 596) – Fall 2014, Penn State University
8. Research Integrity in Science and Engineering (Bioethics 597c) – Fall 2014, Penn State University
9. Research Integrity in Science and Engineering (Bioethics 597b) – Spring 2014, Penn State University, co-taught with Dr. Nicolae Morar
10. Biomedical Engineering Ethics (BME 59500) – NSF Pilot – Fall 2013, Purdue University, co-taught with Dr. Andrew Brightman, Weldon School of Biomedical Engineering
11. Global Policy Issues (CINT 49900) – Graduate Mentor – Fall 2013 Purdue University (teaching assistant)



12. Biomedical Engineering Ethics (BME 595) – Summer 2011 Purdue University (teaching assistant)
- 13.
14. Bioengineering Ethics (BME 595R) – Spring 2008 Purdue University (pilot course development and teaching assistance)

Undergraduate Instruction

1. Ethical Theory (PHI3670) – Fall 2015, University of Central Florida
2. Ethical Issues in the 21st Century (PHI3638) – Fall 2015-Fall 2016, University of Central Florida
3. Honors Introduction to Philosophy (PHI2010H) – Fall 2015, University of Central Florida
4. Introduction to Ethics (Philosophy 111) – Spring 2011, Purdue University
5. Religions of the East (PHIL 330) – Spring and Fall 2010 Purdue University (teaching assistant)
6. Biomedical Ethics (PHIL 270) – Spring 2009 Purdue University (teaching assistant)
7. Animal Ethics (PHIL 280) – Fall 2008 Purdue University (teaching assistant)

Instructional Resources and Experience

1. Research Integrity in Science and Engineering (RISE): ethics modules in moral literacy
2. 2015-2016 Faculty Learning Community member. Dr. Melody Bowden (facilitator).
3. Instructional Design and Learning (IDL 6543) graduate, University of Central Florida
4. SIRA Modules: engineering ethics modules utilizing reflexive principlism

Professional Service

Service to Profession

- Guest editorship for Special Issue of *Zeitschrift für Semiotik*: Biosemiotic Ethics. Morten Tønnessen, Jonathan Beever, and Yogi Hendlin. #1/2 2016.
- Moderator and Judge, Southeast Regional Ethics Bowl, UCF, October 2016.
- Session Chair, Environmental Bioethics Affinity Group, *American Society for Bioethics and the Humanities*, 2016.
- Program Chair of the Engineering Ethics Division, *American Society for Engineering Education*, 2016-2017.
- Conference paper submission reviewer, American Society for Engineering Education (ASEE) LEES and Ethics Divisions, Fall 2016.
- Conference paper submission reviewer, Association for Practical and Professional Ethics (APPE), Fall 2016.
- Conference paper submission reviewer, Florida Philosophical Association, Fall 2015.
- Conference paper submission reviewer, *Ethics Division, American Society for Engineering Education*, Fall 2015.
- Secretary of the Ethics Division, *American Society for Engineering Education*, 2015-2016.
- Proposal review: *The Animal Inside*. Rowman and Littlefield. 2015.
- Proposal review: *Beyond the Code: A How-To manual for the Ethical Engineer*. Routledge/Taylor & Francis. 2015.
- Search Committee Member, Rock Ethics Institute co-funded hires in Biobehavioral Health and in Rural Sociology
- Session Chair, American Philosophical Association, Eastern Division, Philadelphia, PA, Dec 26-29, 2014.
- Mentorships of postbaccalaureate and high school students in planning and organizing workshop on genetic modification and the environment (Summer and Fall 2014).
- Steering Committee Member, the Global Sustainable Soundscape Network, 2014-2015.
- Proposal review: *Values and Vaccine Refusal*. Taylor and Francis. 2013.



- Peer reviewer for manuscript submissions:
Literature and Medicine (September 2014), *Jahr - European Journal of Bioethics* (September 2014), *Environmental Philosophy* (July 2013 and April 2014), *Environment and Planning D: Society and Space* (February 2013), *Claritas* (July 2012), *Biosemiotics* (August 2011), *Big Data and Society* (January 2016 and April 2016), *Science and Engineering Ethics* (October 2015).
- Invited Ambassador, “Office of Research Integrity, Quest for Research Excellence 2011”, Georgetown University, March 2012.

Service to University

- “Embedded Ethics and the Fact/Value Distinction.” Guest lecture, Frontiers in Optics OSE 4930 (Stephen Kuebler), UCF, October 2016.
 - Peer reviewer for NEH Summer Stipend grant program, UCF. September 2016.
 - “The Job Search.” Fall 2016 Workshop Series for Texts & Technology. Panelist for discussion with 18 Ph.D. students (organized by Mel Stanfill).
 - UFF-UCF, Alternate Senator, 2016-2018.
 - Research Mentor Fair, UCF College of Medicine, Lake Nona Campus, August 19, 2016.
 - “Behavioral and Ethical Implications of Cybertechnologies.” Guest lecture, Behavioral Aspects of Cybersecurity, IDC 6601 (Bruce Caulkins), UCF, June 2016.
 - Grant Reviewer, Office of Research and Commercialization, University of Central Florida. May 2016.
 - Dean’s Advisory Committee. UCF, 2016-2019.
 - “Teaching About Sustainability in Ways that Work: A Teaching Workshop for UCF Faculty.” UCF, February 22, 2016.
 - “Ethics in/and Science.” Guest lecture, Frontiers in Optics OSE 4930 (Stephen Kuebler), UCF, October 2015.
 - “Plant Ethics and Moral Standing In Research Integrity.” Guest lecture, BIOET 504, Penn State University April 2015, PSU.
 - “[GMOs and the Environment](#)” panel discussion leader, Penn State University, October 2014.
 - Acoustics and Soundscape Research Group, Penn State University, November 2013 – June 2015.
 - Marcellus Shale Research Group, Penn State University, November 2013 – June 2015.
 - Sound/Science/Environment Workshop Co-Facilitator, Penn State University, April 2014.
 - Co-Developer/Facilitator, Rock Research Ethics Lecture Series, Penn State University, 2013-present.
 - 2012 Ecological Sciences & Engineering Symposium, Poster judge, Purdue University, October 2012.
 - Purdue Cancer Center 5k Challenge Race, Steering Committee Member, Purdue University, 2009-2012.
 - “Bioethics and Moral Reasoning.” Address to the Purdue Undergraduate Bioethics Club, Purdue University, September 2012.
 - “Purdue Bioethics and Biomedical Engineering.” Biomedical Engineering Graduate Student Orientation. Purdue University, August 16, 2012.
 - “Ethics, Bioethics, and Moral Reasoning.” Inaugural address to the Purdue Undergraduate Bioethics Club, Purdue University, January 2012.
- Co-Developer/Facilitator, Bioethics Seminar Series (www.purdue.edu/bioethics) Purdue University, 2006 – 2012.

Service to Department and Program

- Honors Committee Chair, Austin Tindle, [project in development], Spring 2017.
- “8x8” Faculty Lightning Talk, Texts & Technology, November 2016.



- Honors Committee Member, Diana Dominquez “The History of Inequality in Education and the Question of Equality Versus Adequacy,” Fall 2016
- Guest Speaker, UCF Philosophical Society, “Soundscape Ecology and Environmental Value,” Spring 2016
- Guest Speaker, ENG 6811 “Wicked” Discourse of Climate Change, “Ethical Decision-Making in Conditions of Uncertainty”, Spring 2016
- Faculty Advising, UCF Philosophy for 7 UCF undergraduate students (2015-2016)
- Introduction to Texts and Technology (ENG6800), 9.17.15 substitution for Dr. Bruce Janz, University of Central Florida
- Department of Philosophy Curriculum Committee Member, University of Central Florida, September 2015 – present.
- Text & Technology Program Curriculum Committee Member, University of Central Florida, September 2015-present.
- Director of the Theoretical and Applied Ethics Certificate Program, University of Central Florida, September 2015 – present.

Service to Community

- “SciRanch” science communication workshop participant, Oracle, AZ, July 2014.
- NICHES Land Trust “bio-blitz” Service Day, volunteer, Lafayette, IN, 2012.
- Boiler Green Initiative Arbor Day Planting, volunteer, Lafayette, IN, 2010.
- Detrash the Wabash environmental clean-up, volunteer, Lafayette, IN, 2008 – 2009.

Current Professional Memberships

- American Philosophical Association
- International Society for Environmental Ethics
- International Association for Environmental Philosophy
- Socially Responsible Philosophy of/in Science and Engineering (SRPoiSE)
- Global Sustainable Soundscape Network
- American Society for Bioethics and the Humanities
- American Public Health Association
- Florida Philosophical Association
- AFL-CIO
- Florida Education Association
- UFF-UCF
- Aldo Leopold Foundation, supporting member, 2010 – present
- Forest History Society, 2013-present

